LAPP GROUP	**DATA SHEET**	1120232
	ÖLFLEX® CLASSIC 110 Black 0,6/1kV	valid from : 10.04.2008

Application

ÖLFLEX® CLASSIC 110 Black 0,6/1 kV cables are control- and connecting cables with a black outer sheath for use in dry, damp and wet rooms, for normal mechanical load. Considering the indicated temperature range an outdoor use is possible. At room temperature they are generally resistant against acids, caustic solutions and certain oils. A continuous, busy movement, movements forced by the guide, usage of these cables in moving cable carriers or on motor drum guidance or under a strain of more than 15 N / mm² is not allowed.
ÖLFLEX® CLASSIC 110 Black 0,6/1 kV is used as control- and connecting cable for control systems in machine tools, transporting plants, production and assembly lines, as well as measuring systems, automatic control and units of computer. ÖLFLEX® CLASSIC 110 Black 0,6/1 kV is mainly used on the export markets where black outer sheaths are usual.

Design

Design	in support to HD 21.13 S1 resp. VDE 0281-13 and CEI-UNEL 35755 and 35756
Conductor	fine wire strands of bare copper acc. IEC 60228 resp. VDE 0295, class 5
Core insulation	LAPP special PVC compound P8/1, better than the PVC compound TI2 in acc. to HD21.1 resp. VDE 0281 part 1
Core identification	acc. to VDE 0293-1, with or without gn/ye ground conductor black cores with white numbers acc. to DIN EN 50334 resp. VDE 0293 part 334
Outer sheath	PVC compound TM2 acc. to HD21.1 resp. VDE 0281 part 1, colour black

Electrical properties at 20 °C

Nominal voltage	600 / 1000 V
Test voltage	4000 V AC

Mechanical and thermal properties

Temperature range	for flex. applications	-5 °C up to +70 °C max. conductor temperature
	fixed installation	-40 °C up to +80 °C max. conductor temperature
Min. bending radius	4 x cable diameter for fixed installation 15 x cable diameter for flex. applications	
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2	
Tests	acc. to IEC 60811-x-x resp. VDE 0473 part 811-x-x and VDE 0472	
EC directive	this cable confirms to ECD 2006/95/EC (low voltage directive)	